

Suggested Salmonella Testing for Feces Collection

None of the below protocols are validated by Fluxergy. The below protocols were performed by successful Fluxergy customers and are shared for research evaluation only.

METHOD 1: Using Feces without Incubation

Need:

- Precise weight scale
- NEW Collection Container. *The container should be sterile.*
- Measuring instrument *(to measure 5-10 mL of liquid volume)*
- Sterile Saline *(if from a bag, does not have to be a new bag)*

1. Obtain feces and mash up to mix.
2. Obtain another container that can hold at least 5 mL of sterile saline.
3. Collect 0.5g feces and transfer the container.
4. Add 5 mL of sterile saline to the container with feces.
5. Vigorously shake the closed container about 10 times.
6. Grab your Salmonella reaction mixture from freezer and thaw.
7. Shake your container containing diluted feces again right before transferring to reaction mixture.
8. Transfer 14 uL of the diluted feces to the reaction mixture tube. Make sure there is no hay or large particles in the collection.
9. Flick the reaction mixture containing your sample 5 times to mix.
10. Put your reaction mixture tube in the mini centrifuge for 5 seconds to spin down reagents and ensure that all volume is available for collection.
11. Transfer 130 uL of the sample into the test card.
12. Insert test card into the analyzer and run test immediately. Results in 1 hr!

METHOD 2: Using Feces with Incubation, without Sterile Saline

Need:

- Precise weight scale.
- NEW Collection Container. *The container should be sterile.*
- Incubator. *Please ensure that it is set to 37°C*

1. Obtain feces and mash up to mix.
2. Collect 0.1g of the feces and add directly into the provided Selenite Cysteine Media Broth vial.
3. Vigorously shake the closed vial about 10 times.
4. Open slightly to aerate and incubate at 37°C for 16-24 hours.
5. Grab your Salmonella reaction mixture from freezer and thaw.
6. Take your incubated vial and close cap.
7. Shake your vial again right before transferring to reaction mixture.
8. Transfer 14 uL of the vial to the reaction mixture.
9. Flick the reaction mixture containing your sample 5 times to mix.
10. Put your reaction mixture vial in the mini centrifuge for 5 seconds to spin down reagents and ensure that all volume is available for collection.
11. Transfer 130 uL of the sample into the test card.
12. Insert test card into the analyzer and run test immediately. Results in 1 hr!

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None of the below protocols are validated by Fluxergy. The below protocols were performed by successful Fluxergy customers and are shared for research evaluation only.

METHOD 3: Using Feces with Incubation, with Environmental Sponge-Stick

Need:

- Precise weight scale
- NEW Collection Container. *The container should be sterile.*
- Incubator. *Please ensure that it is set to 37°C*
- Environmental Sponge-Stick

1. Mix 0.5g of feces with 5 mL of sterile saline in a container with lid.
2. Shake the container up and down vigorously 10 times.
3. Use the 3M environmental sponge-stick and swab the lid of the container with the feces.
4. Place the swab back into the collection bag and mix with included buffer. Mix sample and buffer together well.
5. Transfer 1000 uL of this buffer mix into the Selenite Cysteine Media Vial.
6. Vigorously shake the closed vial about 10 times.
7. Open slightly to aerate and incubate at 37°C for 16-24 hours.
8. Grab your Salmonella reaction mixture from freezer and thaw.
9. Take your incubated vial and close cap.
10. Shake your vial again right before transferring to reaction mixture.
11. Transfer 14 uL of the vial to the reaction mixture.
12. Flick the reaction mixture containing your sample 5 times to mix.
13. Put your reaction mixture vial in the mini centrifuge for 5 seconds to spin down reagents and ensure that all volume is available for collection.
14. Transfer 130 uL of the sample into the test card.
15. Insert test card into the analyzer and run test immediately. Results in 1 hr!